

## **REMARKS**

Claims 1-3, 5-9, 13, 14, 16, 17 and 19-23 are currently pending.

Claims 1 and 21-24 are currently amended.

Claims 4, 10-12, 15, 18 and 24 are canceled by the current amendment.

### ***Allowable Subject Matter***

The Examiner is thanked for the indication that the subject matter of claim 4 (relating to one coil surrounding said sample chamber and one coil placed so as to be in thermal contact by being physically connected to the material which constitutes the sample chamber, but without surrounding the cavity of the sample chamber) is not taught in the prior art. Claim 1 has been amended to incorporate the subject matter of claim 4 and to remove the recitation that "said two coils surrounding said sample chamber". The Examiner is respectfully requested to indicate that claim 1 contains allowable subject matter.

### ***Priority***

The specification has been amended to include a recitation to the priority information.

### ***Specification***

A new abstract based upon amended claim 1 has been introduced by the present amendment. Acceptance of the new abstract is respectfully requested.

The specification has been amended to include the subject matter of original claim 6. This provides antecedent basis for the subject matter of claims 5, 13-15 and 21-24.

***35 USC § 112, Second Paragraph***

Claims 4, 10-12, 15, 18 and 24 have been canceled. The 35 USC §112, second paragraph, rejection of claims 4, 10-12, 15, 18 and 24 is rendered moot.

Claims 21-23 have been amended according to the Examiner's suggestion. Claim 24 has been canceled. Withdrawal the 35 USC §112, second paragraph rejection of claims 21-23 is respectfully requested.

***Art Rejections***

Applicants make no admission regarding the propriety of the art rejections asserted against the pending claims. Claim 1 has been amended to recite that one coil is placed so as to be in thermal contact by being physically connected to the material which constitutes the sample chamber, but without surrounding the cavity of the sample chamber. The Examiner has admitted that the prior art does not teach the claimed device. The Examiner is respectfully requested to indicate that claim 1 contains allowable subject matter. Claims 2, 3, 5-9, 13, 14, 16, 17 and 19-23 depend from claim 1 and respectfully requested to be allowed at least based on the allowability of claim 1.

***Conclusion***

For at least the reasons stated above, the Examiner is respectfully requested to reconsider and withdraw the outstanding rejections and objections, and to allow the present application.

In the event that there are any questions concerning this amendment, or the application in general, the Examiner is respectfully urged to telephone the undersigned attorney so that prosecution of the application may be expedited.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

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By:



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